

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 2, 2005, 20:55:49 ; Search time 167 Seconds  
(without alignments)  
173.695 Million cell updates/sec

Title: US-10-796-486-2  
Perfect score: 75  
Sequence: 1 MFLWVFFVILLTSLNSHCS. .... DIMSRQGRNQEGARVRL 75

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0

Searched: 2105692 seqs, 386760381 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : A\_Geneseq\_16Dec04\*

- 1: Geneseqp1980s:\*
- 2: Geneseqp1990s:\*
- 3: Geneseqp2000s:\*
- 4: Geneseqp2001s:\*
- 5: Geneseqp2002s:\*
- 6: Geneseqp2003as:\*
- 7: Geneseqp2003bs:\*
- 8: Geneseqp2004s:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	75	100.0	75	4	AAB36979 Porcine g
2	75	100.0	75	5	Aau98073 Human/pig
3	64	85.3	107	1	AAP51097 Sequence
4	64	85.3	108	1	AAP51098 Sequence
5	64	85.3	108	6	ABP58377 Human gro
6	64	85.3	108	7	ADFI5156 Human alb
7	64	85.3	108	8	ADQ21660 Human sof
8	45	60.0	106	2	AAR15449 Ser 9 pGR
9	44	58.7	44	1	AAP50141 Sequence
10	44	58.7	44	1	AAP71496 Growth ho
11	44	58.7	44	2	AAR24174 Human gro
12	44	58.7	44	2	AAW29416 Growth ho
13	44	58.7	44	4	AAB90939 Growth ho
14	44	58.7	76	2	AAR15447 Ser 9 for
15	40	53.3	40	2	AAR24169 Growth ho
16	40	53.3	40	4	ABP58377 Porcine G
17	40	53.3	40	5	ABP78057 Porcine aci
18	40	53.3	40	6	AAE35251 Porcine g
19	40	53.3	40	6	AAO30856 Porcine g
20	40	53.3	40	6	AAO29866 Porcine g
21	40	53.3	40	7	ABR84643 Porcine g
22	40	53.3	40	8	ADP90301 Porcine g
23	40	53.3	40	8	ADP90296 GHRH rela
24	40	53.3	40	8	ADI61792 GHRH amin
25	40	53.3	40	8	ADL70447 Pig growt

26	40	53.3	40	8	ADR23391 Porcine g
27	36	48.0	40	2	AAR24171 Growth ho
28	36	48.0	40	2	AAR24172 Growth ho
29	36	48.0	40	2	AAR24170 Growth ho
30	36	48.0	42	2	AAR24175 Porcine g
31	35	46.7	76	2	AAR15446 Asn 9 for
32	35	46.7	106	2	AAR15448 Asn 9 pGR
33	34	45.3	553	7	ADFI14943 Human alb
34	33	44.0	37	4	AAB90946 Growth ho
35	33	44.0	39	2	AAW44706 Human GRF
36	33	44.0	40	1	AAP50394 Growth ho
37	33	44.0	40	2	AAR31431 Growth ho
38	33	44.0	40	2	AAW44705 Human GRF
39	33	44.0	40	4	AAB90947 Growth ho
40	33	44.0	40	4	AAB90948 Growth ho
41	33	44.0	40	6	AAE35250 Human mat
42	33	44.0	41	1	AAP50182 Growth ho
43	33	44.0	41	2	AAR69069 Growth Ho
44	33	44.0	41	2	AAR98952 Target pe
45	33	44.0	41	2	AAW44710 Human GRF

#### ALIGNMENTS

RESULT 1  
AAB36979  
ID AAB36979 standard; protein; 75 AA.  
XX  
AC AAB36979;  
XX  
DT 28-FEB-2001 (first entry)  
XX  
DE Porcine growth hormone-releasing hormone.  
XX  
KM GHRH; growth hormone-releasing hormone; enzyme degradation.  
XX  
OS Sus scrofa.  
XX  
EP1052286-A2.  
XX  
15-NOV-2000.  
XX  
12-APR-2000; 2000EP-00302790.  
XX  
12-APR-1999; 99US-0128830P.  
XX  
(PFIZ ) PFIZER PROD INC.  
XX  
Morsey MA, Sheppard MG;  
WPI; 2001-026585/04.  
XX  
New polypeptide variants of growth hormone releasing hormone with enhanced resistance to enzymatic degradation, useful for treating growth hormone deficiency related disorders or to improve growth and performance.  
XX  
Example; Page 19-20; 67pp; English.  
XX  
The present invention relates to growth hormone-releasing hormone (GHRH) variants having enhanced resistance to enzymatic degradation. The variant GHRH polypeptides can be administered to animals to treat growth hormone deficiency related disorders, or to improve growth and/or performance. The variants can be included in pharmaceutical compositions to promote expression and elevation of growth hormone. The variants can be produced recombinantly at much higher levels than prior art variants modified using traditional chemical methods. They have enhanced resistance to enzymatic degradation, therefore have increased length of activity

Sequence 75 AA;

Query Match 100.0%; Score 75; DB 4; Length 75;